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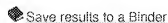
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1 The CORAL deductive system
Raghu Ramakrishnan, Divesh Srivastava, S. Sudarshan, Praveen Seshadri
April 1994 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 3 Issue 2
Publisher: Springer-Verlag New York, Inc.
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CORAL is a deductive system that supports a rich declarative language, and an interface to C++, which allows for a combination of declarative and imperative programming. A CORAL declarative program can be organized as a collection of interacting modules. ...

Keywords: deductive database, logic programming system, query language

2 Panel: Extensible database systems
◈ D. S. Batory, M. Mannino
June 1986 ACM SIGMOD Record, Volume 15 Issue 2
Publisher: ACM
Full text available: 📄 pdf(520.69 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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New implementation techniques and new capabilities for database systems are being developed and proposed at a rapid rate. Novel file structures and improved algorithms for query optimization, buffer and recovery management, and transaction management ...

3 Panel: Extensible database systems
◈ D. S. Batory, M. Mannino
June 1986 SIGMOD '86: Proceedings of the 1986 ACM SIGMOD international conference on Management of data
Publisher: ACM
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New implementation techniques and new capabilities for database systems are being developed and proposed at a rapid rate. Novel file structures and improved algorithms for query optimization, buffer and recovery management, and transaction management ...

4 XML-based supply chain simulation modeling
Dean C. Chatfield, Terry P. Harrison, Jack C. Hayya

December 2004 WSC '04: Proceedings of the 36th conference on Winter simulation
Publisher: Winter Simulation Conference

Full text available: pdf(263.31 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 68, Citation Count: 0

We describe a different approach to using XML to support the simulation modeling of supply chains. Instead of using XML to specify the simulation constructs, as most previous approaches do, we utilize XML to describe the supply chain itself. The Supply ...

5 C and tcc: a language and compiler for dynamic code generation
Massimiliano Poletto, Wilson C. Hsieh, Dawson R. Engler, M. Frans Kaashoek
March 1999 ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 21 Issue 2
Publisher: ACM

Full text available: pdf(471.68 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 110, Citation Count: 32

Dynamic code generation allows programmers to use run-time information in order to achieve performance and expressiveness superior to those of static code. The 'C(Tick C) language is a superset of ANSI C that supports efficient and high-level ...

Keywords: ANSI C, compilers, dynamic code generation, dynamic code optimization

6 Architectural support for safe software execution on embedded processors
Divya Arora, Anand Raghunathan, Srivaths Ravi, Niraj K. Jha
October 2006 CODES+ISSS '06: Proceedings of the 4th international conference on Hardware/software codesign and system synthesis
Publisher: ACM

Full text available: pdf(253.62 KB)   Additional Information: full citation, abstract, references, index terms

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The lack of memory safety in many popular programming languages, including C and C++, has been a cause for great concern in the realm of software reliability, verification, and more recently, system security. A major portion of known security attacks ...

Keywords: extensible processors, memory safety, type safety

7 Towards increasing web application productivity
Jia Zhang, Jen-Yao Chung, Carl K. Chang
March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied computing
Publisher: ACM

Full text available: pdf(157.09 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 83, Citation Count: 1

In this paper we present and discuss a template/meta-data based partial code generation system supporting web application development. Seamlessly incorporating the recent top-notch technologies, the framework maximally exploits the capabilities of the ...

Keywords: Web application development, automatic program generation and regeneration, framework, software architecture

8 FSA: an efficient and flexible C++ toolkit for finite state automata using on-demand computation
Stephan Kanthak, Hermann Ney
July 2004 ACL '04: Proceedings of the 42nd Annual Meeting on Association for Computational

Linguistics
Publisher: Association for Computational Linguistics
Full text available: pdf(136.62 KB) Publisher Site Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 99, Citation Count: 2

In this paper we present the RWTH FSA toolkit --- an efficient implementation of algorithms for creating and manipulating weighted finite-state automata. The toolkit has been designed using the principle of on-demand computation and offers a large range ...

9 Towards reusable and modular aspect-oriented concurrency control
Sérgio Soares, Paulo Borba
March 2007 SAC '07: Proceedings of the 2007 ACM symposium on Applied computing
Publisher: ACM
Full text available: pdf(66.03 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 67, Citation Count: 0

Information systems based on the World Wide Web increased the impact of concurrent programs. Such increase demands the definition of methods for obtaining safe and efficient implementations of concurrent programs, since the complexity of implementation ...

Keywords: AspectJ, aspect-oriented programming, concurrency control, framework, implementation approaches and techniques, web information systems

10 On high-level programming systems for structured display programming
Wolfgang K. Giloi
June 1975 SIGGRAPH '75: Proceedings of the 2nd annual conference on Computer graphics and interactive techniques
Publisher: ACM
Full text available: pdf(117.76 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation Count: 3

The main topic of the paper is to introduce a concept for structured display programming in interactive computer graphics and to discuss the suitability of FORTRAN, ALGOL, PL/I, and APL as the host language for such a programming system. To this end, ...

11 On high-level programming systems for structured display programming
Wolfgang K. Giloi
April 1975 ACM SIGGRAPH Computer Graphics, Volume 9 Issue 1
Publisher: ACM
Full text available: pdf(117.76 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation Count: 3

The main topic of the paper is to introduce a concept for structured display programming in interactive computer graphics and to discuss the suitability of FORTRAN, ALGOL, PL/I, and APL as the host language for such a programming system. To this end, ...

12 An open-source CVE for programming education: a case study
Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks
July 2005 SIGGRAPH '05: ACM SIGGRAPH 2005 Courses
Publisher: ACM
Full text available: pdf(7.92 MB) Additional Information: full citation, references

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 462, Citation Count: 0

13 Strategic directions in storage I/O issues in large-scale computing
Garth A. Gibson, Jeffrey Scott Vitter, John Wilkes
December 1996 ACM Computing Surveys (CSUR), Volume 28 Issue 4
Publisher: ACM
Full text available: pdf(465.35 KB)   Additional Information: full citation, references, cited by, index terms
Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 126, Citation Count: 14

14 The design and implementation of K: a high-level knowledge-base programming language of OSAM*.KBMS
Yuh-Ming Shyy, Javier Arroyo, Stanley Y.W. Su, Herman Lam
August 1996 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 5 Issue 3
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(197.89 KB)   Additional Information: full citation, abstract, references, cited by, index terms
Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 28, Citation Count: 2

The OSAM*.KBMS is a knowledge-base management system, or the so-called next-generation database management system, for non-traditional data/knowledge-intensive applications. In order to define, query, and manipulate a knowledge base, as well as to write ...

Keywords: Abstractions, Association patterns, Knowledge-base programming language, Object-oriented knowledge model, Structural associations

15 Hyperform: a hypermedia system development environment
Uffe K. Wiil, John J. Leggett
January 1997 ACM Transactions on Information Systems (TOIS), Volume 15 Issue 1
Publisher: ACM
Full text available: pdf(362.84 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review
Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 33, Citation Count: 12

Development of hypermedia systems is a complex matter. The current trend toward open, extensible, and distributed multiuser hypermedia systems adds additional complexity to the development process. As a means of reducing this complexity, there has been ...

Keywords: advanced hypermedia system architecture, extensible hyperbase management system, object-oriented extension language

16 Process-centered review of object oriented software development methodologies
Raman Ramsin, Richard F. Paige
February 2008 ACM Computing Surveys (CSUR), Volume 40 Issue 1
Publisher: ACM
Full text available: pdf(2.86 MB)   Additional Information: full citation, abstract, references, index terms
Bibliometrics: Downloads (6 Weeks): 423, Downloads (12 Months): 712, Citation Count: 0

We provide a detailed review of existing object-oriented software development methodologies, focusing on their development processes. The review aims at laying bare their core philosophies, processes, and internal activities. This is done by using a ...

Keywords: Object-oriented methodologies, agile methods, integrated methodologies, methodology engineering, seminal methodologies

17 Classification in Networked Data: A Toolkit and a Univariate Case Study

Sofus A. Macskassy, Foster Provost
October 2007 The Journal of Machine Learning Research, Volume 8
Publisher: MIT Press
Full text available: 🔲 pdf(517.73 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 71, Citation Count: 0

This paper is about classifying entities that are interlinked with entities for which the class is known. After surveying prior work, we present NetKit, a modular toolkit for classification in networked data, and a case-study of its application to networked ...

18 Classification in Networked Data: A Toolkit and a Univariate Case Study
Sofus A. Macskassy, Foster Provost
May 2007 The Journal of Machine Learning Research, Volume 8
Publisher: MIT Press
Full text available: 🔲 pdf(517.66 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 183, Citation Count: 0

This paper is about classifying entities that are interlinked with entities for which the class is known. After surveying prior work, we present NetKit, a modular toolkit for classification in networked data, and a case-study of its application to networked ...

19 Binary refactoring: improving code behind the scenes
Eli Tilevich, Yannis Smaragdakis
May 2005 ICSE '05: Proceedings of the 27th international conference on Software engineering
Publisher: ACM
Full text available: 🔲 pdf(131.17 KB) 🔲 Publisher Site   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 73, Citation Count: 0

We present Binary Refactoring: a software engineering technique for improving the implementation of programs without modifying their source code. While related to regular refactoring in preserving a program's functionality, binary refactoring aims to ...

Keywords: adaptation, bytecode engineering, maintenance, optimization, refactoring, software evolution

20 Concurrency and distribution in object-oriented programming
Jean-Pierre Briot, Rachid Guerraoui, Klaus-Peter Lohr
September 1998 ACM Computing Surveys (CSUR), Volume 30 Issue 3
Publisher: ACM
Full text available: 🔲 pdf(269.34 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 321, Citation Count: 17

This paper aims at discussing and classifying the various ways in which the object paradigm is used in concurrent and distributed contexts. We distinguish among the library approach, the integrative approach, and the ...

Keywords: concurrency, distribution, integration, libraries, message passing, object, reflection

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